

DETERMINACIONES.

Para ejemplares del Herbario de la Facultad Nacional de Agronomía,
Medellín Colombia.

V. I

Febrero 1.949.

No. 1.

(Since insect damage to specimens not poisoned is very bad in this - region it has been necessary to distribute duplicates without determination. As these are received will then be distributed to the herbaria which have received specimens. This is the first list issued in mimeographed form. Any errors reported from the list or suggestions made concerning a better form for reporting the material will be greatly appreciated.

F. A. B.

(Como el daño causado por los insectos a los ejemplares no envenenados es tan malo en esta región ha sido necesario distribuir los duplicados sin determinación. Inmediatamente las determinaciones se reciban aquí, serán distribuidas a los herbarios que hayan recibido ejemplares. Esta es la primer lista, y cualquier sugerencia que se haga en relación con una mejor forma para dar cuenta del material, sera altamente agradecida.

G. G. V.

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| 1. (Díaz) | Vallea stipularis Mutis, det. E. P. Killip |
| 1. (Fajardo) | Eupatorium inulaefolium HBK., det. L. B. Smith. |
| 1. (Visbal, Riascos y González) | Relbunium hypocarpium (L.) Hemsl., det. P. C. Standley. |
| 2. (Falla) | Liabum sagittatum Sch.-Bip., det. L. B. Smith. |
| 2. (Gutiérrez y Benavides) | Coccocypselum lanceolatum (R. & P.) Pers., det. P. C. Standley. |
| 3. (Falla) | Eupatorium phoenicticum Robin., det. L. B. Smith. |
| 3. (Gutiérrez y Rueda) | Salvia palaefolia Kunth, det. C. Epling. |
| 3. (Rodríguez) | Gnaphalium purpureum L., det. L. B. Smith. |
| 4. (Barkley, Gutiérrez y Rosero) | Coccocypselum lanceolatum (R. & P.) Pers., det. P. C. Standley. |
| 4. (Díaz) | Eupatorium angustifolium (HBK.) Spreng., det. L. B. Smith. |
| 4. (Falla) | Salvia lutens Benth., det. C. Epling. |
| 4. (Jaimes) | Passiflora maliformis L., det. E. P. Killip. |
| 5. (Díaz) | Baccharis trinervis (Lam.) var. rhexioides (HBK.) Bak., det. L. B. Smith. |
| 5. (Gärtner) | Oplismenus Burmanni (Retz) Beauv., det. J. R. Swallen. |
| 5. (Gutiérrez, Barkley y Rueda) | Borreria bogotensis (HBK.) Standl., det. P. C. Standley. |
| 5. (Jaimes) | Passiflora foetida var. hispida (DC.) Killip, det. E. P. Killip. |
| 6. (Delisle & Gutiérrez) | Dicranopteris Bancroftii (Hook.) UnderS., det. A. C. Smith. |
| 6. (Peña, González y Camacho) | Coccocypselum lanceolatum (R. & P.) Pers., det. P. C. Standley. |
| 6A (Gärtner) | Duranta repens L., det. H. N. Moldenke. |
| 6B (Gärtner) | Panicum Sellowii Nees, det. J. R. Swallen. |
| 7. (Díaz) | Taraxacum officinale Weber, det. L. B. Smith. |

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| 7. (Falla) | Melinis minutiflora Beauv., det. J. R. Swallen |
| 8. (Díaz) | Achyrocline satureioides (Lam.) DC., det.
L. B. Smith. |
| 8. (Falla) | Panicum maximum Jacq., det. J. R. Swallen |
| 8. (Jaimes) | Oplismenus hirtellus (L.) Beauv., det. J. R.
Swallen |
| 9. (Díaz) | Diplostephium baccharidium Blake, det. L.
B. Smith. |
| 9. (Jaimes) | Lasiacis leptostachya Hitch., det. J. R.
Swallen. |
| 10. (Díaz) | Senecio lanatus DC., det. L. B. Smith. |
| 10. (Gärtner) | Homolepis aturensis (HBK.) Chase, det.
J. R. Swallen. |
| 10. (Perdomo) | Passiflora capsularis L., det. E. P. Killip. |
| 11. (Gärtner) | Wedelia Jacquinii Rich., det. L. B. Smith. |
| 12. (Gutiérrez, Barkley y Correa) | Verbena litoralis (HBK.), det. H. N. Moldenke. |
| 12. (Varela) | Mimosa albida H. & B., det. E. P. Killip. |
| 12A (Díaz) | Baccharis tricuneata (L.f) Pers., det.
L. B. Smith (con hojas pequeñas). |
| 12A (Fajardo) | Liabum volubile (HBK.) Loes., det. L. B.
Smith. |
| 12B (Díaz) | Montanoa ovalifolia (DC.) Sch.-Bip., det.
L. B. Smith (con hojas grandes). |
| 13. (Falla) | Heliopsis buphtalmoides (Jacq.) Dunal,
Det. L. B. Smith. |
| 13. (Gärtner) | Heliopsis buphtalmoides (Jacq.) Dunal,
Det. L. B. Smith. |
| 13. (Gutiérrez, Barkley y Correa) | Verbena litoralis HBK., det. H. N. Moldenke |
| 13. (Rodríguez) | Epidendrum fimbriatum HBK., det. F. A.
Barkley. |
| 13. (Varela) | Senegalia sp., det. E. P. Killip. |
| 14. (Barkley, Gutiérrez y Visbal) | Relbunium hypocarpium (L.) Hemsl., det.
P. C. Standley. |
| 14. (Camacho, González y Riascos) | Relbunium hypocarpium (L.) Hemsl., det.
P. C. Standley. |
| 14. (Gärtner) | Calea glomerata Klatt, det. L. B. Smith. |
| 14. (Barkley, Gutiérrez y Correa) | Sporobolus Poiratii (R. & S.) Hitch.,
det. J. S. Swallen. |
| 15. (Gutiérrez, Barkley y Correa) | Verbena litoralis HBK., det. H. N. Moldenke |
| 15. (Gutiérrez, González y Gonzáles) | Borreria suaveolens Meyer, det. P. C.
Standley. |
| 15. (Varela) | Lantana trifolia L., det. H. N. Moldenke. |
| 16. (Díaz) | Steiractinia Klattii (Robins. & Greenm.)
Blake, det. L. B. Smith. |
| 16. (Sánchez) | Eupatorium phoenicticum Rob., det. L. B.
Smith. |
| 16. (Varela) | Lasiacis ruscifolia (HBK.) Hitchc., det.
R. R. Swallen. |
| 17. (Díaz) | Calea Pennellii Blake, det. L. B. Smith. |
| 17. (Fajardo) | Pseudelephantopus spicatus (Juss.) Rohr.,
Det. H. N. Moldenke |
| 17. (Rodríguez) | Oplismenus hirtellus (L.) Beauv., det.
J. R. Swallen. |
| 17. (Varela) | Lasiacis leptostachya Hitchc., det. J. R.
Swallen. |
| 18. (Barkley, Gutiérrez y Rosero) | Lepechinia bullata (Kunth) Epl., det.
C. Epling. |

18. (Díaz) *Bidens squarrosa* HBK., det. L. B. Smith.
 18. (Gärtner) *Thrasya compylostachya* (Hack.) Chase,
 Det. J. R. Swallen.
 18. (Sánchez) *Liabum sagittatum* Sch.-Bip., det. L. B.
 Smith.
 18. (Varela) *Eupatorium vargasianum* DC., det. L. B. Smith
 19. (Rodríguez) *Lasiacis divariacata* (L.) Hitchc., det J.
 R. Swallen.
 19. (Varela) *Steiractinia Klattii* (Robins. & Greenm.)
 Blake, det. L. B. Smith.
 20. (Barkley, Fernández y Sierra) *Epidendrum fimbriatum* HBK., det. F. A.
 Barkley.
 20. (Gärtner) *Chamaecrista flavicoma* HBK., det. E. P.
 Killip.
 20. (Jaimes) *Steiractinia Klattii* (Robins. & Greenm.)
 Blake, det. L. B. Smith.
 20. (Gutiérrez, Barkley y Correa) *Pseudelephantopus spicatus* (Juss.) Rohr.,
 det. H. N. Moldenke.
 20. (Varela) *Mimosa albida* H. & B., det. E. P. Killip.
 21. (Barkley, Gutiérrez y Puccini) *Salvia palaefolia* Kunth., det. C. Epling.
 21. (Gärtner) *Bauhinia Kalbreyeri* Harms, det. E. P.
 Killip.
 21. (Peña) *Cyathula achyranthoides* (HBK.) Moq., det.
 P. C. Standley.
 22. (Gärtner) *Ditremexa occidentalis* (L.) B. & R., det.
 E. P. Killip.
 22. (Gutiérrez, Barkley y Correa) *Oplismenus Burmanni* (Retz) Beauv., det.
 J. R. Swallen.
 23 (Barkley y Benavides) *Centropogon yarumalensis* Wimmer, det. R. McVay
 23. (Varela) *Aspilia tenella* (HBK.) Blake, det. L. B.
 Smith.
 24. Barkley, González y Benavides) *Borreria bogotensis* (HBK.) Standl., det.
 P. C. Standley.
 24. (Gutiérrez y Sierra) *Centropogon yarumalensis* Wimmer, det. R.
 McVaugh.
 25. (Rodríguez) *Lantana Moritziana* Otto & Dietr., det.
 H. N. Moldenke.
 26. (Cassalett) *Steiractinia Klattii* (Robins. & Greenm.)
 Blake det. L. B. Smith.
 26. (Falla) *Coccocypselum lanceolatum* (R. & P.) Pers.,
 Det. P. C. Standley.
 26. (González, Fernández y Alviar) *Trifolium repens* L., det. E. P. Killip
 27. (Cassalett) *Melanthera aspera* (Jacq.) Steud., det.
 L. B. Smith.
 27. (Falla) *Borreria bogotensis* (HBK.) Standl., det.
 P. C. Standley.
 27. (Peña) *Lantana Moritziana* Otto & Dietr., det. H.
 N. Moldenke
 28. (Perdomo) *Salvia coccinea* Juss., det. C. Epling.
 31. (Jaimes) *Melanthera aspera* (Jacq.) Steud., det.
 L. B. Smith.
 31. (Gutiérrez, Barkley y Fernández) *Borreria suaveolens* Meyer, det. P. C.
 Standley.
 31. (Rodríguez) *Eupatorium iresinoides* HBK., det. L. B.
 Smith.

32. (Barkley y Puccini) *Verbena litoralis* HBK., det. H. N. Moldenke.
 32. (Klevens) *Tournefortia scabriada* HBK., det. E. P. Killip.
 32. (Perdomo) *Porophyllum ruderales* (Jacq.) Cass., det. E. P. Killip.
 33. (Barkley, Gutiérrez y Riascos) *Relbunium hypocarpium* (L.) Hemsl., P. C. Standley.
 33. (Rodríguez) *Eupatorium tinifolium* HBK., L. B. Smith.
 34. (Barkley, Gutiérrez y Rosero) *Lantana cujabensis* var. *punctata* Mold., det. H. N. Moldenke
 34. (Molina) *Sauria ursina* Tr. ! Pl., det. R. E. Schultes
 36. (Gärtner) *Pseudechinolaena polystachya* (HBK.) Stopf, det. J. R. Swallen
 36. (Rodríguez) *Salvia palaeifolia* Kunth & *S. scutellarioides* Kunth, det. C. Epling.
 37. Gärtner y González) *Relbunium hypocarpium* (L.) Hemsl., det. P. C. Standley
 37. (Gutiérrez, Barkley y Puccini) *Lepechinia bullata* (Kunth) Epl., det. F. A. Barkey.
 37. (Varela) *Bidens pilosa* L. det. L. B. Smith.
 38. (Alfaro) *Inga punctata* Willd., det. E. P. Killip
 38. (Gärtner) *Lasiacis leptostachya* Hitchc., det. J. R. Swallen
 39. (Gärtner) *Liabum volubile* (HBK.) Less., det. L. B. Smith.
 40. (Díaz) *Eupatorium tinifolium* HBK., det. L. B. Smith.
 40. (Gärtner) *Agrostis turrialbae* Mez., det. J. R. Swallen.
 40. (Riascos, Rosero y Rueda) *Coccocypselum lanceolatum* (R. & P.) Pers., det. P. C. Standley.
 41. (Rodríguez) *Desmodium tortuosum* (Sw.) DC., det. E. P. Killip
 42. (Gärtner) *Tagetes pusilla* HBK., det. L. B. Smith.
 42. (Rodríguez) *Hyptis colombiana* Epl., det. C. Epling.
 43. (Rodríguez) *Baccharis trinervis* (Lam.) var. *rhexoides* (HBK.) Bak., det. L. B. Smith.
 44. (Gärtner) *Polypogon elongatus* HBK., J. R. Swallen.
 44. (Varela) *Melinis minutiflora* Beauv., det. J. R. Swallen.
 45. (Gärtner) *Panicum Sellowii* Nees, det. J. R. Swallen
 47. (Díaz) *Clibadium surinamense* L., det. L. B. Smith
 47. (Perdomo) *Eupatorium tinifolium* HBK., det. L. B. Smith.
 47. (Rodríguez) *Galinsoga caracasana* (DC.) Sch.-Bip., det. L. B. Smith.
 48. (Jaimes) *Tecoma stans* (L.) HBK., det. E. P. Killip
 48. (Rodríguez) *Ditremexa leptocarpa* (L.) B. & R., det. E. P. Killip
 49. (Rodríguez) *Ditremexa occidentalis* (L.) B. & R., det. E. P. Killip.
 50. (Sánchez) *Liabum vulcanicum* Klatt, det. L. B. Smith.
 52. (Díaz) *Lantana fucata* Lindl., det. H. N. Moldenke.
 54. (Rodríguez) *Calea glomerata* Klatt, det. L. B. Smith.

54. (Sánchez)	Tagetes apetala Posada, det. L. B. Smith
56. (Gärtner)	Clibadium surinamense L., det. L. B. Smith
62. (Gutiérrez y Benavides)	Salvia palaefolia Kunth, det. C. Epling
72. (Klevens)	Brownea macrophylla Linden det. E. P. Killip
74. (Rodríguez)	Ageratum conyzoides L., det. L. B. Smith
83. (Klevens)	Passiflora vitiofolia HBK., det. E. P. Killip
84. (Klevens)	Pothomorphe peltata (L.) Miq., det. E. P. Killip.
137. (Giraldo)	Epidendrum fimbriatum HBK., det. F. A. Barkley
CO01K47 (Klevens)	Desmodium sp., det. E. P. Killip
1136 (Gutiérrez y Delisle)	Hyptis personata Epl., det. C. Epling.
1409 (Barkley y Gutiérrez)	Lepechinia bullata (Kunth) Epling, det. C. Epling.
1440 (Barkley y Gutiérrez)	Epidendrum fimbriatum HBK., det. F. A. Barkley.
1512 (Barkley, Correa Y Gutiérrez)	Hyptis melissoides Kunth, det. C. Epling.
1550 (Correa, Barkley y Gutiérrez)	Salvia tiliaefolia Vahl, det. C. Epling.
1559 (Barkley y Gutiérrez)	Centropogon cornutus (L.) Druce, det. R. McVaugh
1567 (Correa, Barkley y Gutiérrez)	Stachys Micheliana Briq, det. C. Epling.
1622 (Barkley, Correa y Gutiérrez)	Hyptis personata Epl., det. C. Epling.
1635 (Barkley, Correa y Gutiérrez)	Salvia palaefolia Kunth, det. C. Epling
1643 (Barkley y Gutiérrez)	Centropogon Warcewiczii Van Houtte, det. R. McVaugh
1650 (Barkley y Gutiérrez)	Marsypianthes Chamaedrys (Vahl) Kuntze, Det. C. Epling.
1684 (Barkley y Gutiérrez)	Centropogon Warszewiczii Van Houtte, det. R. McVaugh.
1705 (Barkley y Gutiérrez)	Hyptis obtusiflora Presl, det. C. Epling.
1715 (Barkley y Gutiérrez)	Salvia scutellarioides Kunth, det. C. Epling
1737 (Barkley y Gutiérrez)	Salvia riparia Kunth, det. C. Epling.
1745 (Barkley y Gutiérrez)	Hyptis pectinata Poit., det. C. Epling.
1746 (Barkley y Gutiérrez)	Hyptis capitata Jacq., det. C. Epling.
1754 (Barkley y Gutiérrez)	Marsypianthes Chamaedrys (Vahl) Kuntze, det. C. Epling.
1766 (Barkley y Gutiérrez)	Salvia occidentalis Sw., det. C. Epling.
1773 (Barkley y Gutiérrez)	Hyptis pectinata Poit., det. C. Epling.
1779 (Barkley y Gutiérrez)	Priva lappulacea (L.) Pers., det. H. N. Molendenke.
1827 (Barkley y Gutiérrez)	Russelia Colombiana Pennell, det. H. N. Molendenke.
1871 (Barkley y Gutiérrez)	Centropogon Cornutus (L.) Druce, det. R. McVaugh.
1875 (Barkley y Gutiérrez)	Siphocampylus volubilis (HBK.) G. Don, det. R. McVaugh
1909 (Barkley y Gutiérrez)	Hyptis recurvata Poit., det. C. Epling.
17C002 (Gutiérrez y Barkley)	Pavonia spinifex (L.) Cav., det. G. Gutiérrez V.
17C017 (Gutiérrez y Barkley)	Inga Archeri Britt. & Kill., det. L. Uribe U.
17C073 (Gutiérrez y Barkley)	Ocimum micranthum Willd., det. C. Epling
17C156 (Gutiérrez y Barkley)	Hyptis capitata Jacq., det. C. Epling.
17C231 (Gutiérrez y Barkley)	Hyptis obtusiflora Presl., det. C. Epling
17C233 (Giraldo y Barkley)	Salvia riparia Kunth, det. C. Epling.
17C234 (Giraldo y Barkley)	Salvia scutellarioides Kunth, det. C. Epling
17C286 (Mejía, Blackman y Barkley)	Leontis nepetaefolia (L.) R. Br., det. C. Epling.

- 17C292 (Mejía, Blackman y Barkley) *Hyptis pectinata* Poit., det. C. Epling
 17C322 (Barkley) *Marsypianthes Chamaedrys* (Vahl) Kuntze, det. C. Epling
 17C330 (Barkley) *Stachys Micheliana* Briq., det. C. Epling
 17C426 (Gutiérrez y Barkley) *Centropogon foetidus* (HBK.) Wimmer, det. R. McVaugh
 17C428 (Gutiérrez y Barkley) *Centropogon Warscewiczii* Van Houtte, det. R. McVaugh
 17C435 (Landa, Gutiérrez y Barkley) *Stachys Micheliana* Briq., det. C. Epling
 17C433 (Landa, Gutiérrez y Barkley) *Hyptis sinuata* Pohl, det. C. Epling.
 17C477 (Gutiérrez y Barkley) *Hyptis pectinata* Poit., det. C. Epling.
 17C490 (Gutiérrez y Barkley) *Ocimum micranthum* Willd., det. C. Epling.
 17C508 (Gutiérrez y Barkley) *Hyptis pectinata* Poit., det. C. Epling
 17C512 (Delgado, Gutiérrez y Barkley) *Marsypianthes Chamaedrys* (Vahl) Kuntze, det. C. Epling.
 17C519 (Gutiérrez y Barkley) *Hyptis mutabilis* (Rich.) Briq., det C. Epling.
 17C524 (Gutiérrez y Barkley) *Stachys Micheliana* Briq., det. C. Epling
 17C525 (Gutiérrez y Barkley) *Hyptis atrorubens* Poit., det. C. Epling
 17C527 (Gutiérrez y Barkley) *Hyptis capitata* Jacq. det. C. Epling
 17C541 (Gutiérrez y Barkley) *Stachys Micheliana* Briq., det. C. Epling.
 17C544 (Gutiérrez y Barkley) *Hyptis capitata* Jacq., det. C. Epling
 17C555 (Gutiérrez y Barkley) *Marsypianthes Chamaedrys* (Vahl) Kuntze, det. C. Epling.
 17C618 (Gutiérrez y Barkley) *Hyptis atrorubens* Poit., det. C. Epling.
 17C619 (Gutiérrez y Barkley) *Hyptis atrorubens* Poit., det. C. Epling.
 17C632 (Gutiérrez y Barkley) *Centropogon foetidus* (HBK.) Wimmer, det. R. McVaugh.
 17C666 (Gutiérrez y Barkley) *Lobelia fastigiata* HBK., det. R. McVaugh
 17C672 (Gutiérrez y Barkley) *Stachys Micheliana* Briq., det. C. Epling
 17C847 (Bermúdez y Barkley) *Hyptis*., det. C. Epling.
 17C865 (Bermúdez y Barkley) *Hyptis pectinata* Poit., det. C. Epling.
 17C887 (Murgueitio, Ramírez y Barkley) *Hyptis mutabilis* (Vahl) Kuntze, det. C. Epling.
 17C900 (Ramírez, Murgueitio y Barkley) *Leonotis nepetaefolia* R. Br., det. C. Epling.
 17C997 (Barkley) *Salvia riparia* Kunth., det. C. Epling.
 18A213 (Valbuena y Barkley) *Sauria ursina* Tr. & P., det. E. Schultes.
 18C055 (Cardona, Gutiérrez y Barkley) *Salvia occidentalis* Sw., det. C. Epling
 18C066 (Cardona, Gutiérrez y Barkley) *Salvia occidentalis* Sw., det. C. Epling
 18C109 (Cardona, Gutiérrez y Barkley) *Hyptis mutabilis* (Rich.) Briq., det. C. Epling.
 18C846 (Johnson y Barkley) *Sauria ursina* Tr. & Pl., der. R. E. Schultes.
 19An063 (Araque y Barkley) *Toxicodendron striata* (R. & P.) Kuntze, det. F. A. Barkley

Barkley: Mexican Plants

det. Lincoln Constance

2783. *Arracacia atropurpurea* (Lehm.) B. & H.
 17M818. *Eryngium Ghiesbreghtii* Decaisne
 40. *Eryngium phyteumae* Delar.
 57. " *proteaeflorum* Delar.
 2421. " " "
 519. *Arracacia toluensis* var. *multifida* (S. Wats.) M. & C.
 2490. *Apium leptophyllum* (Pers.) F. v. Muell.
 7599. *Hydrolea spinosa* L.
 2439. *Polemonium mexicanum* Cerv. ex Lag.
 2468. *Eryngium carlinae* Delar.
 2418. *Daucus montanus* Humb. & Bonpl.

det. I. M. Johnston

2297. *Heliotropium Pringlei* Robins.
 17M404. *Heliotropium mexicana* Greenm.
 2285. *Heliotropium assurgens* Jtn.
 Tidwell 2. *Heliotropium procumbens* Mill.
 17T211. *Cryptantha texana* (A. DC.) Greene
 Uzzell 39. *Heliotropium curassavicum* L.
 17M549. *Heliotropium Pringlei* Robins.
 17M442. *Heliotropium procumbens* Mill.
 17M256. *Lithospermum distichum* Ort.
 2380. " " "
 2257A. " " "
 7208. " *Palmeri* Wats.
 7481. " *strictum* Lehm.
 2224. " " "
 7538. *Heliotropium procumbens* Mill.
 17M743. " *assurgens* Jtn.
 17M702. " *Pringlei* Robins.
 689. *Borago officinalis* L.
 2434. *Hackelia mexicana* (C. & S.) Jtn. ?
 2732. *Lasiarrhenum strigosum* (HBK.) Jtn.
 2753. *Lithospermum discolor* M. & G.
 2803. " *distichum* Ort.
 7528. *Heliotropium limbatum* Benth.

Unicates to be returned to University of Texas

2722. *Nemastylis tenuis* var. *nana* (S. Wats.) R. C. Foster det. R.C.F.
 17M268. *Heliotropium angiospermum* Murr. det. I. M. Johnston
 2660. *Hydrocotyle ranunculoides* L. f. det. L. Constance
 645. *Apium leptophyllum* (Pers.) F. v. Muell. det. Constance
 619. *Daucus montanus* H. & B. " "
 685. *Coriandrum sativum* L. " "
 2485. *Eryngium comosum* Delar. " "
 556. *Phacelia platycarpa* (Cav.) Spreng. " "
 2823. " " " " " "
 17M870. *Donnellsmithia Hintonii* M. & C. " "
 Webster 2034. *Lemna valdiviana* Phil. det. H. E. Moore, Jr.
 Sister Mary Germaine, 122. *Lithospermum incisum* Lehm. det. Johnston
 Albers 46410. *Heliotropium angiospermum* Murr. " "
 Sister Mary Germaine, 117. *Lappula Redowskii* (Hornem.) Greene det. Johnston
 Persons & Webster, 2053. *Myosotis macrosperma* Engelm. " "
 Tharp & Barkley, 17T146. *Euphorbia tetrapora* Engelm. det. Moore
 Barkley, Webster & Rowell, 7406. *Rhodosciadium toluense* (HBK.) Math.
 det. L. Constance

Barkley - Colombia
det. J. J. Wurdack unless otherwise indicated
Mus. No. 266108 P-3022, G-1735, F-976

- 35188 Warscewiczia coccinea (Vahl) Kl.
- 35189 Struthanthus sp. [cf. orbicularis (H.B.K.) Bl.]
- > 35197 Merremia umbellata (L.) Hall. f.
- 35198 Crotalaria mucronata Desv. (2 sheets)
- > 35200 Croton leptostachyus H.B.K.
- > 35201 Chamaesyce hyssopifolia (L.) Small
- 35202 Phyllanthus lathyroides H.B.K.
- > 35203 Momordica charantia L.
- > 35204 Drymaria cordata (L.) Willd.
- > 35205 Cyathula achyranthoides (H.B.K.) Moq. (2 sheets)
- 35206 Acalypha macrostachya Jacq. var. hirsutissima (Willd.) M. Arg. (2 sheets)
- > 35209 Heliconia cf. latispatha Benth.
- 35210 Xiphidium caeruleum Aublet
- > 35213 Schistocarpa oppositifolia (Ktze.) Rydb. det. Cuatrecasas
- > 35214 Hamelia patens Jacq. (2 sheets)
- > 35216 Piper aduncum L.
- > 35219 Crotalaria nitens H.B.K.
- 35222 Spigelia cf. gilgii Macbr.
- 35223 Dichromena ciliata Vahl
- > 35224 Hypoxis decumbens L.
- > 35225 Monnina smithii Chodat
- 35227 Stenospermatium popayanense Schott det. D. Nicolson
- > 35229 Peperomia sp. (near P. lawrancei T. & Y. ex char.)
- > 35230 Peperomia alata R. & P.
- 35231 Palicourea crocea (Sw.) R. & S.
- > 35233 Anthurium sp. (Sect. Xiallophyllium) det. D. Nicolson
- > 35234 Calceolaria chelidonioides H.B.K.
- 35235 Rondeletia inconstans Standl.
- 35238 Escobedia grandiflora (L.f.) Ktze
- > 35239 Mimulus glabratus H.B.K. (2 sheets)
- > 35240 Baccharis latifolia (R. & P.) Pers. det. Cuatrecasas
- > 35241 Calceolaria palustris Sodiro
- > 35242 Pennisetum bambusifforme (Fourn.) Hemsl. det. Soderstrom
- > 35245 Baccharis brachylaenoides var. oblanceolata (Hier.) Cuatr. det. Cuatrecasas
- > 35246 Gaultheria buxifolia Willd. (2 sheets)
- > 35247 Gunnera cf. pilosa H.B.K. (2 sheets)
- 35256 Nertera granadensis (L.f.) Druce
- 35258 Cardamine cf. africana L.
- 35266 Bomarea sp. (2 sheets)
- 35268 Lupinus cf. argurocalyx C. P. Smith
- 35269 Eupatorium ornatilobum Robinson det. Cuatrecasas
- 35273 Peperomia sp. (sterile)
- 35274 ? Hylocereus venezuelensis B. & R. det. E. Y. Dawson
- 35277 Peperomia santanderana Trel. & Yun.

- 35278 *Rhipsalis* sp. det. E. Y. Dawson
 > 35279 *Chiococca alba* (L.) Hitchc.
 35280 *Rhipsalis* sp. det. E. Y. Dawson
 35281 *Epiphyllum* sp. det. E. Y. Dawson
 35286 *Scutellaria purpurascens* Sw.
 > 35287 *Croton* cf. *pungens* Jacq.
 > 35289 *Ambrosia cumanensis* H.B.K. det. Cuatrecasas
 > 35290 *Capsicum baccatum* L.
 > 35291 *Siegesbeckia orientalis* L. det. Cuatrecasas
 > 35293 *Phytolacca rugosa* A. Br. & Bouché
 > 35294 *Oxalis lotoides* H.B.K.
 35295 *Alonsoa meridionalis* (L.f.) Ktze.
 35298 *Eupatorium tequendamense* Hieron. det. Cuatrecasas
 > 35301 *Eupatorium stoechadifolium* L.f. det. Cuatrecasas
 35304 *Digitalis purpurea* L.
 35305 *Senecio pseudoformosus* Cuatr. det. Cuatrecasas
 > 35307 *Solanum nollanum* Britt.
 > 35308 *Viburnum floccosum* Killip & Smith
 35309 *Muehlenbeckia tamnifolia* (H.B.K.) Meissn.
 — 35310 *Piper* cf. *pervulsum* T. & Y. var. *santosense* T. & Y.
 > 35311 *Palicourea demissa* Standl.
 35313 *Pernettya prostrata* (Cav.) Sleumer
 > 35314 *Schefflera* sp.
 > 35316 *Cuphea serpyllifolia* H.B.K.
 35317 *Castilleja fissifolia* L.f.
 35319 *Bomarea* sp.
 > 35321 *Fuchsia petiolaris* H.B.K.
 35322 *Palicourea angustifolia* HBK.
 35325 *Epidendrum* sp.
 35325B *Calea caracasana* (H.B.K.) Ktze. det. Cuatrecasas
 35326 *Centropogon* cf. *asclepiadeus* (Willd.) Wimmer
 35327 *Calea caracasana* (H.B.K.) Ktze. det. Cuatrecasas
 35328 *Castilleja fissifolia* L.f.
 > 35332 *Digitalis purpurea* L.
 35333 *Monnina mollis* Pl. & Lind.
 > 35334 *Pilea lindeniana* Wedd.
 35334 *Calceolaria chelidonioides* H.B.K. (Number mixup ?; see 35234)
 35335 *Tropaeolum* sp.
 35336 *Hydrocotyle humboldtii* A. Rich. var. *pubescens* Mathias
 > 35337 *Siphocampylus hispidus* Benth.
 > 35338 *Saurauia* sp.
 > 35339 *Cayaponia buraeavii* Cogn.
 35342 *Dahlia pinnata* Cav. det. Cuatrecasas
 35343 *Cyclanthera cordifolia* Cogn.
 35344 *Dimerocostus* sp.
 35352 *Spathiphyllum floribundum* (Lind. & André) N.E. Brown det. D. Nicolson
 > 35355 *Solanum jamaicense* Mill.
 > 35357 *Pothomorphe peltata* (L.) Miq.
 > 35358 *Ruellia pennellii* Leonard det. D. Wasshausen
 35359 *Acalypha* cf. *macrostachya* Jacq. var. *tristis* (Poepp.) M. Arg. (bracts large)
 > 35361 *Ardisia* sp. (US material on loan to Lundell)
 35362A *Muehlenbeckia tamnifolia* (H.B.K.) Meissn.
 35362B *Vernonia lehmannii* Hieron. det. Cuatrecasas

- > 35363 *Psychotria brachiota* Sw.
- > 35364 *Ludwigia peruviana* (L.) Hara
- > 35365 *Stigmaphyllon herbaceum* Cuatr. det. Cuatrecasas
- 35366 *Justicia sciera* Leonard det. D. Wasshausen
- > 35369A *Annona muricata* L.
- > 35371 *Coccocypselum hirsutum* Bartl.
- > 35373 *Peperomia rotundifolia* (L.) Kunth
- > 35376 *Elaterium* sp.
- 35378 *Centropogon* sp.
- > 35379 *Pilea* sp.
- > 35387 *Piper aduncum* L. var. *brachyarthrum* (Trel.) Yunck.
- > 35388 *Peperomia obtusifolia* (L.) A. Dietr.
- > 35389 *Monnina phytolaccaefolia* H.B.K.
- 35390 *Chelonanthus alatus* (Aubl.) Pulle
- 35391 *Centropogon cornutus* (L.) Druce
- 35392 *Siparuna* sp.
- 35393 *Siparuna* sp.
- > 35394 *Cestrum mariquitense* HBK.
- > 35400 *Pseudoelephantopus funckii* (Turcz.) Philipson det. Cuatrecasas
- 35401 *Relbunium hypocarpium* (L.) Hemsl.
- > 35403 *Stylosanthes guyanensis* (Aubl.) Sw.
- 35406 *Piper* sp. (ca. sp. 167 of Trelease & Yuncker)
- 35411 *Palicourea crocea* (Sw.) R. & S.
- > 35414 *Gonzalagunia cornifolia* (H.B.K.) Standl.
- 35416 *Salvia* cf. *calocalicina* Brig. (= Daniel 2160, so det. by Epling, but note calyx hairs)
- > 35418 *Thalictrum podocarpum* HBK. ex DC. (probably; US sheet sterile)
- > 35419 *Fuchsia sylvatica* Benth.
- > 35420 *Palicourea angustifolia* HBK.
- 35421 *Palicourea* cf. *perquadrangularis* Wernh.
- 35422 *Palicourea* sp.
- > 35425 *Aphelandra runcinata* Klotzsch det. D. Wasshausen
- 35428 *Gaiadendron tagua* (H.B.K.) G. Don
- 35422 *Macroscepis urceolata* Karst. fma. *barbata* (Blake) Dugand det. A. Dugand
- > 35436 *Xiphidium caeruleum* Aublet
- > 35440 *Pogonopus* cf. *speciosus* (Jacq.) Schum. (Glabrate form ?)
- 35441 *Caladium bicolor* (Ait.) Vent. det. D. Nicolson
- 35442 *Aphelandra incarnata* Leonard det. D. Wasshausen
- > 35446 *Passiflora panamensis* Killip
- > 35447 *Peperomia glabella* (Sw.) A. Dietr.
- 35449 *Piper cinereum* C. DC.
- 35451 *Solanum (Lycianthes)* sp.
- > 35452 *Limnocharis flava* (L.) Buch.
- 35453 *Conostegia subcrustulata* (Beurl.) Triana
- > 35454 *Solanum* cf. *torvum* Sw. (2 sheets)
- > 35456 *Phoradendron* sp.
- > 35457 *Phoradendron* sp.
- > 35458 *Peperomia* ? (Specimen sterile; family uncertain)
- 35467 *Sphyrosperrum* sp.
- 35472 *Guzmania bicolor* L. B. Smith TYPE NO. det. L. B. Smith
- 35509 *Peperomia* cf. *umbilicata* R. & P.

Barkley et al.: Colombian Plants

- det. A. Hernandez

Barkley--2

- 18C028. *Tribulus cistoides* L.
 17C486. *Kallstroemia maxima* (L.) Torr. & Gray
 17C895. *Triumfetta semitriloba* Jacq.
 17C475. " *Lappula* L.
 17C473. " " "
 18C004. " " "
 17C551. *Gynandropsis speciosa* DC.
 17C463. *Rivina humilis* L.
 17C358. *Heliotropium fruticosum* L. det. I. M. Johnston
 17C070. " " " "
 17C150. *Tournefortia foetidissima* L. " "
 17C083. " " " "
 17C062. *Heliotropium fruticosum* L. " "
 17C280. " *indicum* L. " "
 17C422. " " " "
 17C240. " " " "
 Correa, Barkley & Gutierrez, 1573. *Impatiens sultani* Hook. f.
 " " " " , 1553. *Hydrocotyle mexicana* C. & S. det. Constan
 Barkley, Correa & Gutierrez, 1631. " *umbellata* L. " "
 Correa, Barkley & Gutierrez, 1551. *Centella erecta* (L.) Fern. " "
 Barkley, Correa & Gutierrez, 1581. *Begonia towarensis* Kl. det. Schubert
 Barkley & Gutierrez, 1714. *Centella biflora* (Vell.) Nannf. det. Constance
 " " , 1713. *Hydrocotyle leucocephala* C. & S. " "
 " " , 1856. *Marsdenia* sp. (lacks flowers)
 " " , 1796. *Muntingia calabura* L.
 " " , 1667. *Bocconia frutescens* L.
 " " , 1730. *Triumfetta bogotensis* DC.
 " " , 1751. " " "
 " " , 1767. " *Lappula* L.
 " " , 1809. " " "
 " " , 1889. *Biophytum dendroides* (HBK.) DC.
 Gutierrez, 1105. *Petiveria alliacea* L.
 Barkley, 1532. *Dryopteris nervosa* (Kl.) C. Chr. det. Weatherby
 " , 1528. *Asplenium flagelliforme* Fée. " "
 " , 21. *Euphorbia Peplus* L. det. A. Fernández
 " , 1546. *Croton* cf. *Mutisianum* " "
 " , 1841. *Pedilanthus tithymaloides* Poit. det. A. Fernández
 " , 1468. *Croton leptostachyum* Muell. Arg. " "
 " , 1559. *Ricinus communis* L. " "
 Barkley & Gutierrez, 1825. *Ricinus communis* L. " "
 " " , 1799. *Dalechampia* sp. " "
 Fernández, Barkley & Rueda, 12. *Lepidium bipinnatifidum* Desv. det. Rollins
 Peña, González & Visbal, 11. *Brassica campestris* L. " "
 Camacho, 25. *Brassica campestris* L. det. Rollins

Determinations by Grady L. Webster

Determinations for Honduran Euphorbiaceae etc.
collected by Parkley et al

- | | |
|-------|--|
| 39338 | <u>Cordia boissieri</u> DC. |
| 39359 | <u>Acalypha</u> sp. |
| 39385 | <u>Russelia</u> |
| 39399 | <u>Ocimum micranthum</u> Willd. |
| 39400 | <u>Cornutia</u> |
| 39402 | <u>Turnera ulmifolia</u> L. |
| 39405 | <u>Chamaesyce lasiocarpa</u> (Kl.) Arthur |
| 39411 | <u>Croton hirtus</u> L'Herit. |
| 39421 | <u>Zornia diphylla</u> (L.) Pers. |
| 39429 | <u>Malvaviscus arboreus</u> Cav. var. <u>mexicanus</u> Schl. |
| 39436 | <u>Marsypianthes chamaedrys</u> (Vahl) Ktze. |
| 39439 | <u>Eriobotrya japonica</u> (Thunb.) Lindl. |
| 39446 | <u>Kallstroemia maxima</u> (L.) Torr. & Gray |
| 39450 | <u>Lepidium virginicum</u> L. |
| 39461 | <u>Melochia pyramidata</u> L. |
| 39467 | <u>Acalypha ostryifolia</u> Ridd. |
| 39476 | <u>Chamaesyce hirta</u> (L.) Millsp. |
| 39480 | <u>Desmanthus virgatus</u> (L.) Willd. |
| 39481 | <u>Commelina diffusa</u> Burm. f. |
| 39483 | <u>Priva lappulacea</u> (L.) Pers. |
| 39485 | <u>Zinnia peruviana</u> (L.) L. |
| 39486 | <u>Argemone mexicana</u> L. |
| 39489 | <u>Croton hirtus</u> L'Her. |
| 39490 | <u>Poinsettia heterophylla</u> (L.) Kl. & Gcke. |
| 39492 | <u>Waltheria indica</u> L. |
| 39493 | <u>Sida acuta</u> Burm. |
| 39495 | <u>Nicotiana glauca</u> Grah. |

Barkley & Proctor

35087

Comocladia pinnatifida h.

Barkley 36410

Petalostemum ~~um~~ *cardidum* Macha

Barkley 36409

Petalostemum ~~um~~ *purpureum* (Vet.)
Rydb.

Barkley 37434

Mollugo verticillata L.

Barkley + Bouthillier

380748

Begonia lindleyana Walp.

det B. Schubert 10/71

Petrea volubilis - Lin.

Verbenaceae.

Barkley 40001	Begonia	carpinifolia	Hook.
M. Hernandez 11400254B.		velut. popenoei	Stardl.
Barkley & Hourcade 3958	"	B sp.	
M. Hernandez & Barkley 4002		glabra	Aubl.
Barkley & Hernandez 4033		maculata	Raddi
" Eurazis 4031		maculata	Bogn.-Lec.
" Nickle 4079			
" Plowden 40790		glabra	Aubl.
" Eurazis 40320		heydei	C. DC.
" Hourcade 4062		"	"
M. Hernandez & Barkley 40122		"	"
M. " & Hernandez		"	"
Barkley & Hourcade 4000		Lindleyana	Walp.
" & Plowden 4080		"	"
" & Eurazis 4031		"	"
" & M. Hernandez 40109		"	"
" & Hourcade 39631		"	"
" & Grace Foster 39647		"	"
" & Leiva Welch 39621		"	"
" 39690		"	"
" 39687		oxacana	A. DC.
" 39689		fischeri	var. tovarensis
"		(Kli) Inwischen	

Rob Harrison

August 137

SI-USNM-196
11-24-58

United States National Museum
Washington 25, D.C., U.S.A.

REPORT OF IDENTIFICATIONS

A letter has, has not,
been written.

Registrar File No.

Date May 4, 1966

To Dr. Fred Barkley
Northeastern University
Boston, Massachusetts

Initiated by C. V. Morton Department of Botany Division of Ferns

<u>Collector</u>	<u>Specimen</u>	<u>Locality</u>	<u>Identifier</u>
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Barkley & Clarke

35049 Lycopodium obscurum L.

Morton

Fern Llavea aff. cordigolia

F. A. Barkley 36241
and David C. Carr

Nov. 18, 1967

JS

COLLECTIONS OF DR. FRED A. BARKLEY

Determinations by G.R. Proctor

- > 35033 *Asplenium platyneuron* (L.) Oakes
ex D.C. Eaton
- > 35050 *Lycopodium clavatum* L.
- 35065 *Tectaria apiifolia* (Schkuhr) Copel.
- 35066 *Pilea macrophylla* (L.) Liebm. var.
- 35064 *Rhytidophyllum tomentosum* (L.) Mart.
- > 35067 *Pteris longifolia* L.
- 35071 *Polystichum echinatum* (Gmel.) C. Chr.
- > 35074 *Polypodium phyllitidis* L.
- 35075 *Polypodium "plumula"*
- > 35078 *Polypodium angustifolium* Sw.
- > 35087 *Comocladia*
- > 35094 *Selaginella plana* (Desv.) Hieron.
- 35100 *Pilea grandifolia* (L.) Blume
- 35102 *Oreopanax capitatum* (Jacq.) Decne. & Pl.
- > 35103 *Senecio confusus* Britten
- > 35107 *Piper arboreum* Aubl.
- 35108 *Pilea grandifolia* (L.) Blume
- 35112 *Conostegia montana* (Sw.) D. Don
- 35116 *Syzygium malaccensis* (L.) Merr. & Perry
- 35117 *Vittaria lineata* (L.) J. E. Sm.
- > 35118 *Miconia ciliata* (L. C. Rich.) DC.
- > 35119 *Schlegelia parasitica* (Sw.) Miers
- > 35120 *Clusia flava* Jacq.
- 35121 *Lobelia grandifolia* Britton
- 35122 *Columnea fawcettii* (Urb.) Morton
- > 35123 *Arthrostema fragile* Lindl.
- > 35124 *Blakea trinervia* L.
- > 35125 *Coleus blumei* Benth.
- > 35126 *Miconia triplinervis* Ruiz & Pav.
- 35127 *Selaginella denudata* (Willd.) Spreng.
- > 35128 *Pavonia rosea* Schlecht.
- > 35129 *Borreria laevis* (Lam.) Griseb.
- > 35130 *Wedelia trilobata* (L.) Hitchc.
- > 35132 *Lycopodium cernuum* L.
- 35133 *Clidemia hirta* (L.) D. Don
- > 35134 *Cephaelis elata* Sw.
- > 35135 *Clidemia plumosa* (Desr.) DC.
- > 35136 *Besleria lutea* L.
- > 35138 *Gnemidaria horrida* (L.) C. B. Presl
- 35139 *Peperomia amplexicaulis* (Sw.) A. Dietr. vel aff.
- > 35140 *Peperomia rotundifolia* (L.) Kunth
- > 35141 *Peperomia distachya* (L.) A. Dietr.
- 35142 *Philodendron lacerum* (Jacq.) Schott
- 35143 *Zornia diphylla* (L.) Pers.
- 35149 *Turnera ulmifolia* L.
- > 35155 *Xiphidium coeruleum* Aubl.
- > 35156 *Andropogon virginicus* L.
- > 35157 *Andropogon bicornis* L.
- 35158 *Dichromena ciliata* Vahl.
- > 35160 *Sauvagesia erecta* L.
- 35161 *Phaseolus lathyroides* L.
- 35162 *Mimosa pudica* L.
- 35163 *Lindsaea portoricensis* Desv.
- > 35164 *Rhynchospora aff. robusta* (Kunth) Boeckl.
- > 35165 *Lycopodium carolinianum* L.
- 35166 *Hypoxis decumbens* L.
- 35167 *Coccocypselum herbaceum* Aubl.
- > 35168 *Nepsera aquatica* (Aubl.) Naud.
- 35169 *Gerardia albida* (Britt. & Penn.) Penn.
- 35170 *Jussiaea leptocarpa* Nutt.
- 35171 *Scleria melaleuca* Schl. & Cham.
- 35176 *Lindsaea portoricensis* Desv.
- > 35177 *Eugenia wilsonella* Fawc. & Randle
- > 35179 *Blechnum indicum* Burm.
- 35183 *Rhytidophyllum tomentosum* (L.) Mart.
- > 35184 *Blakea trinervia* L. (*Bigel. conf.*)
- > 35184 *(sic) Acisanthera quadrata* Juss. ex Poir.
- 35186 *Dendropanax arboreum* (L.) Decne. & Pl.
- > 35190 *Dicranopteris pectinata* (Willd.) Underw.
- > 35191 *Pteridium aquilinum* var. *caudatum* (L.) Sadebeck.
- > 35192 *Blechnum polypodioides* Raddi (B. *unilaterale* Sw.)
- > 35193 *Lygodium venustum* Sw.
- 35194 *Thelypteris dentata* (Forsk.) E. St. J.
- > 35195 *Pityrogramma calomelanos* (L.) Link
- > 35195 *(sic) Thelypteris (Goniopteris) sp.*
- > 35196 *Lycopodium cernuum* L.
- 35189 *Malpighia puniceifolia* L.

- > 35207 *Tectaria incisa* Cav.
- 35208 *Lycopodium cernuum* L.
- > 35220 *Selaginella lemairei* Hieron.
- > 35229 *Polypodium glaucophyllum* Kunze
- > 35235 *Cyathea* sp.
- 35244 *Blechnum* aff. *nesioticum* ^mKramer
- > 35248 *Equisetum giganteum* L.
- > 35285 *Cheilanthes microphylla* (Sw.)Sw., vel aff.
- > 35300 *Eriosorus* sp.
- 35324 *Polypodium pectinatum* L.
- > 35348 *Blechnum occidentale* L.
- > 35349 *Thelypteris* sp.
- 35350 *Gleichenia bifida* (Willd.)Spreng.
- > 35351 *Pityrogramma calomelanos* (L.)Link
- 35360 *Tectaria* sp.
- 35423 *Eriosorus* sp.
- 35424 *Elaphoglossum huacssaro* (Ruiz)Christ
- > 35427 *Asplenium aethiopicum* (Burm.f.)Bech.
- 35443 *Asplenium serratum* L.
- > 35444 *Polypodium crassifolium* L.
- > 35445 *Nephrolepis* sp.
- 35468 *Lycopodium* sp.
- 35503 *Selaginella pallescens* (C.B.Presl)Spring
- > 35510 *Cheilanthes myriophylla* Desv.
- > 35511 *Notholaena aurea* (Poir.)Desv.

Determinations by Grady L. Webster

EXOTIC EUPHORBIACEAE ETC.

COLL. BY BARKLEY ET AL.

016	<u>Euphorbia cyparissias</u> L.
1002	<u>Euphorbia cyathophora</u> Murray
Carz 1002	<u>Euphorbia cyathophora</u> Murray
1032	<u>Chrysophyllum oliviforme</u> L.
1047	<u>Chamaesyce hirta</u> (L.) Millsp.
36005	<u>Jatropha cardiophylla</u> (Torr.) M. Arg.
36017	<u>Conostegia xalapensis</u> (Bonpl.) D. Don
36177	<u>Acalypha</u> cf. <u>triloba</u> Muell. Arg.
36305	<u>Euphorbia corollata</u> L.
36308	<u>Euphorbia marginata</u> Pursh
36320	<u>Euphorbia corollata</u> L.
36322	<u>Chamaesyce maculata</u> (L.) Small
36339	<u>Croton monanthogynus</u> Mx.
36340	<u>Chamaesyce nutans</u> (Lag.) Small
36349	<u>Chamaesyce nutans</u> (Lag.) Small
37440	<u>Euphorbia corollata</u> L.
37458	<u>Acalypha phleoides</u> Cav.
38062	<u>Euphorbia ipecacuanhae</u> L.
38227	<u>Croton leptostachyus</u> H.B.K.
38249	<u>Euphorbia cyparissias</u> L.
38730	<u>Chamaesyce hypericifolia</u> (L.) Millsp.
38735	<u>Chamaesyce hypericifolia</u> (L.) Millsp.
38791	<u>Euphorbia peplus</u> L.
38918	<u>Chamaesyce orbiculata</u> (H.B.K.)
39126	<u>Euphorbia ipecacuanhae</u> L.
38C168	<u>Chamaesyce orbiculata</u> (H.B.K.)
38C218	<u>Croton leptostachyus</u> H.B.K.
38C218	<u>Mabea</u> cf. <u>lucida</u> Pax. & Hoffm.
38C227	<u>Croton trinitatis</u> Millsp.
38C237	<u>Mabea montana</u> Muell. Arg.
38C294	<u>Euphorbia cyathophora</u> Murray
38C393	<u>Croton trinitatis</u> Millsp.
38C457	<u>Euphorbia heterophylla</u> (L.) Kl. & Gcke.
38C493	<u>Codiaeum variegatum</u> (L.) Blume
38C507	<u>Pilea</u> sp.
38C542 B	<u>Croton</u> cf. <u>ater</u> Croizat
38C595	<u>Euphorbia heterophylla</u> L.

Plants of Fred A. Barkley

- 7 35011 Benzoin aestivale (L.) Nees
35010 Draba verna L.
35016 Erythronium americanum Ker.
35018 Oakesia sessilifolia (L.) Wats.
35027 Fragaria virginiana Duchesne
35030 Asclepias tuberosa L.
35030 Solanum carolinense L.
35035 Houstonia tenuifolia Nutt.
35036 Chrysanthemum leucanthemum L.
35037 Erigeron strigosus Muhl. ex Willd.
35038 Schrankia microphylla (Soland. ex Sm.) MacM.
35040 Tsuga canadensis (L.) Carr.
35041 Dianthus armeria L.
35042 Penstemon canescens (Britt.) Britt.
35043 Impatiens pallida Nutt.
35044 Specularia perfoliata (L.) A.DC.
35045 Anemone virginiana L.
35046 Hydrangia arborescens L.
35047 Silene virginica L.
35048 Tradescantia subaspera Ker.
35051 Houstonia caerulea L.
35054 Galax aphylla L.
35055 Corylus cornuta Marsh
35057 Ribes glandulosum Grauer
35058 Saxifraga michauxii Britt.
35060 Hypoxis hirsuta (L.) Coville

S. G. Shetler

ORCHID HERBARIUM OF OAKES AMES
BOTANICAL MUSEUM, HARVARD UNIVERSITY
OXFORD STREET, CAMBRIDGE, MASSACHUSETTS 02138

Feb. 11, 1966.

Dear Dr. Barkeley:

Herewith I am sending the determinations of the interesting collections which you sent to us recently.

Barkley & Willard 35465 - *Stelis argentata* Lindl.

" " 35464 - " *spathulata* Poepp. & Endl.

" " 35466 - *Pleurothallis undulata* Poepp. & Endl.

" " 35462 - *Elleanthus* sp. (No flowers in good condition)

" Montoya 35260 - *Oncidium halteratum* Lindl.

" " 36264 - *Epidendrum rostrigerum* Reichb.f. probably, (no
anther present)

" Clark 35059 - *Listera Smallii* Wieg.

" Gutierrez & Arboleda³⁵⁴²⁹ - *Sobralia violacea* Linden ex Lindl.
Probably (fls. agglutinated)

" Valderama 35237 - *Scaphyglottis leucantha* Reichb.f.

" " 35249 - *Epidendrum Steyermarkii* Hawkes
(Synon. *E. matutinum* Reichb.f.)

" Arboleda & Castro 35385 - *Sobralia violacea* Linden ex Lindl. probably
(Flower agglutinated)

" Montoya 36262 - *Elleanthus aurantiacus* (Lindl.) Reichb.f.

" " 35250 - " " " Flowers poor.

" Gutierrez Villigas 35345 - *Sobralia rosea* Poepp. & Endl.

" Willard 35461 - *Phragmipedium Schlimii* (Reichb.f.) Rolfe

" Montoya 35243 - *Epidendrum fimbriatum* HBK.

" " 35261 - " "

" Valderama 35275 - *Vanilla planifolia* Andr.

" Gutierrez Villigas 35384 - *Epidendrum secundum* Jacq.

" Torres-Romero 35341 - *Oncidium orgyale* Reichb. & Warsc.

" Gutierrez & Castro 35386 - *Epidendrum ibaguense* HBK.

Barkley, Gutierrez & Arboledo 35413 - *Epidendrum paniculatum* Ruiz & Pav.

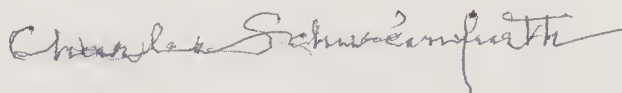
" & Valderama 35303 - Non-Orchid

" " 35302 - " " (Iridaceae?)

We give you our hearty thanks for the orchids. The two *Oncidiums* and the *Phragmipedium Schlimii* are most valuable.

On hearing from you, I shall return the two Non-orchids if you wish, or you may get them when you are in the neighborhood.

Sincerely yours,

A handwritten signature in cursive script, reading "Charles Schweinfurth". The signature is written in dark ink and is positioned below the typed name.

Charles Schweinfurth

ORCHID HERBARIUM OF OAKES AMES
BOTANICAL MUSEUM, HARVARD UNIVERSITY
OXFORD STREET, CAMBRIDGE 38, MASSACHUSETTS

March 2, 1966.

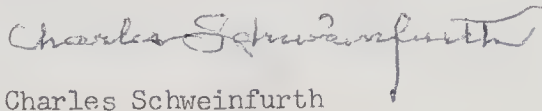
Dr. Fred A. Barkley,
Dept. of Biology,
Northeastern University,
Boston, Mass.

Dear Dr. Barkley:

According to your suggestion, I referred your Iris and Lily to our Dr. Foster who specializes in these groups. He gives me the following determinations:

- NO. 35302 - *Orthrosanthus chimboracensis* (H BK.) Baker
" 35303 - *Excremis coarctata* (Ruíz & Pav.) Baker

Yours sincerely and hastily,


Charles Schweinfurth

Botanical Museum, Oxford St., Cambridge, Mass.,
July 12, 1966.

Dear Dr. Barkeley:

Herewith I give the names of the
two orchids which you sent to us.

No. 35144 - *Oncidium luridum* Lindl.

No. 35083 - *Epidendrum cochleatum* L.

Hastily and sincerely,

Charles Schweinfurth



THIS SIDE OF CARD IS FOR ADDRESS



Dr. Fred A. Barkley

Northeastern University

360 Huntington Ave.,

Boston, Mass.

Begonia

det. Smith & Schubert

I. Barkley, Paxson, Webster.

2697	no label	
2704	B. gracilis HBK. var. nervipilosa A. DC.	
2706	" "	"
2721		
2745	B. monoptera Link & Otto	
7266	B. incarnata Link & Otto	
7272	B. nelumbiifolia Cham. & Schlecht.	
7305	B. gracilis HBK. var. martiana (Link & Otto) A. DC.	
7334B	" "	"
7403	" "	"
7404	" "	"
7419B	" "	"

II. Paxson, Webster, Barkley.

17M769	B. angustiloba A. DC.
17M806	B. boissieri A. DC.
17M814	B. gracilis HBK. var. depauperata A. DC.
17M881	B. boissieri A. DC.

III. Taylor.

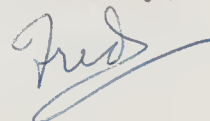
235	B. taylorae Standl. sp. nov. ined.
-----	------------------------------------

9 November 1967

Dear Bill:

Dr. Schubert gave me this list of Begonia determinations yesterday. They are all old collections and should be at the University of Texas. I thought you might like to check the determinations in the herbarium.

Cordially,



HAROLD N. MOLDENKE, PH.D.

Associate Professor, Department of Science
Paterson State College, Wayne, New Jersey 07470
Co-Editor and Publisher of "Phytologia"

FORMER DIRECTOR
TRAILSIDE NATURE AND SCIENCE CENTER
MOUNTAINSIDE, N. J.
FORMERLY CURATOR
NEW YORK BOTANICAL GARDEN, BRONX, N. Y.

MAILING ADDRESS:
303 PARKSIDE ROAD
PLAINFIELD, N. J. 07060

December 12, 1967

Dear Fred,

Thank you so much for your letter of November 27th and the parcel of plants, and for letting me keep the verbs. No, I received NOTHING from the N. Y. Bot. Gard. of your plants! That is now typical of the administration there. If you want things to reach me, please send them direct to me at my home address -- 303 Parkside Road, Plainfield, N. J. 07060.

We are sorry that you and your good wife did not have such a happy visit to Mexico. Andy and his bride had a grand time traveling and collecting all over the country, down to the Guatemala line. I am still working on the identification of his specimens -- many are hosts of beetles.

I sent your Lamiaceae to Carl Epling, since he is the expert on the group, and asked him to report the names direct to you. I sent you a carbon of my letter to him for your files.

Now, here are my detts. for the verbs: [and the Ehretiaceae]

- 35199 -- *Duranta repens* L.
- 35397 -- *Lantana maxima* Hayek
- 35520 -- *Bouchea prismatica* var. *brevirostra* Grenz.
- 35399 -- *Lantana moritziana* Otto & Dietr.
- 35523 -- *Priva aspera* H.B.K.
- 37420 -- *Verbena brasiliensis* Vell.
- 36316 -- *Verbena stricta* Vent.
- 35398 -- *Stachytarpheta australis* Moldenke
- 35426 -- *Cordia toquere* Aubl.
- 35396 -- *Cordia cylindrostachya* (Ruiz & Pav.) Roem. & Schult.

Hoping that you and your family will have a happy Christmas and New Year season,
I am, as always

your old friend,

Harold

THE ACADEMY OF NATURAL SCIENCES OF PHILADELPHIA

FOUNDED 1812

NINETEENTH AND THE PARKWAY, PHILADELPHIA, PENNA. 19103 LOCUST 4-3921

JOHN W. BODINE
PRESIDENT

15 Apr. 1968

H. RADCLIFFE ROBERTS
DIRECTOR

Dear Fred:

Thanks for yours of the 9th. I'm sorry to learn that you've had a heart attack — I hope it is well taken care of now so it won't happen again.

Your no. 38031 from Massapoag Lake is *Batrachospermum* sp. (probably *B. moniliforme* Roth, although the species there are like trying to distinguish bowls of jelly).

Belated Thanks for your specimens from Narragansett Pier, Rhode Island, received some time ago. The species:

- > 35001. *Ascopyllum nodosum* (L.) Le Tol.
- > 35002. *Enteromorpha Linza* (L.) J. Ag.
- > 35003. *Scytosiphon Lomentaria* (Lyngb.) J. Ag.
- 35004. *Gymnogongrus norvegicus* (Gunn.) J. Ag.
- 35006. *Chondrus crispus* (L.) Stackh.
- 35007. *Laminaria Agardhii* Kjellm.
- > 35008. *Porphyra umbilicalis* (L.) J. Ag.
- > 35009. *Scytosiphon Lomentaria* (Lyngb.) J. Ag.

All goes well here; I am busy revising more families of blue-greens and find life not so hectic as it was during the first 5 years here. Hal retired from teaching and has moved to Philly too.

With all my best and hoping you have a fine trip to Colombia,

At ever,

Francis Drouet

March 4, 1969

Dr. Fred A. Barkley,
Department of Biology 322M
Northeastern University,
Boston, Mass. 02115

Dear Fred:

Herewith are my determinations of your plants:

- Barkley & Proctor 38712 -- *Mitreola sessilifolia* Torr. & Gray
38623 -- *Tournefortia hirsutissima* L.
38557 -- *Heliotropium curassavicum* L.
38731 -- *Priva lappulacea* (L.) Pers.
38465 -- *Tournefortia astrotricha* P. DC.
- Barkley 38C164 -- *Paepalanthus pilosus* (H.B.K.) Kunth
38882 -- *Paepalanthus crassicaulis* Körn.
38C750 -- *Cynoglossum amabile* Stapf & Drummond
38908 -- *Lepechinia salviaefolia* (Kunth) Epling
38C079 -- *Lepechinia salviaefolia* (Kunth) Epling
38C297 -- *Tetrapteris calophylla* ssp. *glabrifolia* (Griseb.) Cuatr.
38C198 -- *Arachnothrix reflexa* ssp. *inconstans* (Standl.) Steyererm.
38701 -- *Myriopus volubilis* (L.) Small
38C714 -- *Stachytarpheta cayennensis* (L. C. Rich.) Vahl
38568 -- *Lantana trifolia* f. *hirsuta* Moldenke
38678 -- *Cordia curassavica* (Jacq.) Roem. & Schult.
38C217 -- *Cordia curassavica* (Jacq.) Roem. & Schult.
38C494 -- *Petrea rugosa* H.B.K.
38962 -- *Paepalanthus planifolius* var. *alpinus* Körn.
- Barkley & Mullen 38571 -- *Schobera angiosperma* (J. Murray) Britton
38621 -- *Stachytarpheta jamaicensis* (L.) Vahl
38C144 -- *Paepalanthus paramensis* Moldenke
38C419 -- *Heliotropium fruticosum* L.
38C500 -- *Gonzalagunia cornifolia* (H.B.K.) Standl.
38C545 -- *Lantana tomasii* Moldenke
- Barkley & Bouthillette 38711 -- *Verbena scabra* Vahl
38C619 -- *Cordia bifurcata* Roem. & Schult.
38C073 -- *Lippia schlimii* var. *glabrescens* (Moldenke) Moldenke
38C168 -- *Syngonanthus glandulosus* Gleason
38C239 -- *Hyptis capitata* Jacq.
38907 -- *Duranta mutisii* L. f.
- Barkley & Wrigley 38838 -- *Verbena litoralis* H.B.K.
38794 -- *Cordia cylindrostachya* (Ruíz & Pav.) Roem. & Schult.
38798 -- *Lantana rugulosa* H.B.K.
38779 -- *Verbena brasiliensis* Vell.
- Barkley & Araque M. 38C174 -- *Lantana maxima* Hayek
38C545 -- *Lantana tomasii* Moldenke

Two of the labels are marked "UNICATE". Does this mean that you want these two specimens returned to you? Please tell me, otherwise I'll keep them for inclusion in the sets of specimen I periodically distribute to Aarhus University in Denmark, Texas Research Foundation, Southern Methodist Univ., etc., etc. I do NOT deposit things in the big places anymore because I am convinced that in the next war they will be destroyed. So I for the past ten years or so have deposited things only in the smaller herbarium which are in smaller cities.

I have one more of your plants -- a milpighiaceae thing -- which I'll report later [someone has removed or misplaced all our Jamaican material of the genus!!]

Julian Steyermark sends you his best greetings. He has been working at NYBG for several past months.

With kindest regards and all best wishes from Alma and myself, I am,
as always, your friend,

Harold

Save

SMITHSONIAN INSTITUTION
UNITED STATES NATIONAL MUSEUM
WASHINGTON, D. C. 20560

17 July 1969

Dr. F. A. Barkley
171a South St. Apt. 6
Jamaica Plain, Mass. 02130

Dear Fred,

The following are identifications for the melastomes included in your recent shipment to the Smithsonian:

Barkley et al

- 38754 *Monochaetum hartwegianum* Naud.
- 36017 *Conostegia xalapensis* (Bonpl.) D. Don
- 38997 *Tibouchina longifolia* (Vahl) Baill.
- 38867 *Monochaetum myrtoideum* (Bonpl.) Naud.
- 380514 *Tibouchina* sp.
- 35104 " *lepidota* (Bonpl.) Baill.
- 380231 *Clidemia hirta* (L.) D. Don

Sincerely yours,

John
J. J. Wurdack
Curator, Dept. of Botany

20 August 1969

Dear Kamil:

Your letter saying that you had received my photograph arrived yesterday. I think that there are at least two letter after that on their way to you.

I am sending the letter on the reverse of this for you to file in the folder in my file cabinet marked "DETERMINATIONS". I think that it is the third drawer down from the top of the cabinet.

I have some geranium seed from some particularly beautiful geraniums. Would you ask Jean to plant them about ten seed to a five-inch pot when I send them to you?

Must prepare for my eight o'clock now.

Cordially,

Fred

November 10, 1969

Dear Fred:

Thanks so much for your nice card AND the extra-special postage stamps on it. Both are new for our collection!

The parcel of plants arrived and I've named up all except the legume -- that I've turned over to Dr. Rupert Barneby who is now the legume expert at the N. Y. Bot. Gard. If and when he reports the name I'll let you know.

My deta. are:

- Nelson & Barkley 39458 -- *Verbena litoralis* H.B.K.
- 39478 -- *Lantana hispida* H.B.K.
- Barkley & Boghdan 39400 -- *Cornutia lilacina* var. *velutina* Moldenke
- 39404 -- *Priva lappulacea* (L.) Pers.
- 39338 -- *Cordia boissieri* P. DC.
- 39362 -- *Heliotropium phyllostachyum* Torr.
- Barkley & Nelson 39483 -- *Priva lappulacea* (L.) Pers.
- 39477 -- *Schobera angiosperma* (J. Murray) Britton
- Boghdan & Barkley 39438 -- *Congea tomentosa* Roxb.
- 39345 -- *Schobera angiosperma* (J. Murray) Britton
- Barkley 38729 -- *Stigmatophyllon cordifolium* Ndz.
- 39446 -- *Kallstroemia maxima* (L.) Hook. & Arn.
- 39492 -- *Waltheria americana* L.

Trusting that you are having a happy time in Honduras, and with all best wishes to you and your wife from Alma and myself, I am, as always

Very sincerely

Harold

**HUMAN
RIGHTS
YEAR**
U.S. POSTAGE
13c



Prof. Fred A. Barkley

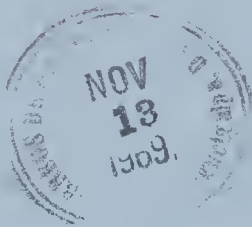
c/o Cultural Affairs Office USIS

United States Embassy

Tegucigalpa, HONDURAS

VIA AIR MAIL • PAR AVION

SECOND FOLD



DO NOT USE TAPE OR STICKERS TO SEAL

NO ENCLOSURES PERMITTED

FIRST FOLD

Academy of Natural Sciences, 1200 Parkway, Philadelphia 19103

23 Dec. 1969

Dear Fred:

Thanks for your four specimens. Two are in large and complicated genera in which I am incompetent. Names are:

39664. *Cladophora* sp.

39665. *Sargassum* sp.

39666. *Turbinaria turbinata* (L.) Kuntze

39667. sporeless indet. *Vaucheria* sp.

With all best wishes for the new year,

As ever,

Francis

Francis Drouet

Had seed sent?
Have received?
Have any of red-seeded?
Lemonwood of Honduras?



U. S. POSTAGE

Dr. Fred A. Barkley
Herbario, Museo Nacional de Historia Natural
Universidad Nacional Autonoma
Tegucigalpa

H O N D U R A S

SUPERFICHE

Dear Fred:

August 8, 1970

Your two bundles of plants arrived while I was undergoing my second emergency lower abdominal operation. I was rushed to the hospital first on June 28 for a burst diverticulitis pouch and peritonitis; and then again on July 27 for a re-infection. I am told I was 15 minutes away from death. Now I am very weak at home to regain strength for the third operation in a month or two to take out the bad part of the gut and hitch me together again. If my 61-yr.-old body can take three shocks like this in so short a time remains to be seen.

Now as to you plants. I am sending you herewith the names for the verbs and eriocauls and one other which I recognize. What shall I do with all the rest that are non-verb and non-erioc? I no longer have the strength to identify plants not of my groups. Shall I send them to U.S. Nat. Herb. for you (where they would take their turn and it might be years before you get det.) or should I send them too Rogers McVaugh at U. of Mich.? As you know, he is much interested in Mexican and Cent. Am. flora and is building up his herbarium for that region. I'll hold them all here until I hear from you. Please reply air mail.

- Hernandez M. & Hernandez T. 5134 -- *Lantana glandulosissima* Hayek
- Barkley & Hernandez M. 40221 -- *Lantana hispida* H.B.K.
- Barkley & Ertha 40696 -- *Lantana hirta* f. *caerulea* Moldenke
- Barkley & Hernandez R. 40502 -- *Lantana hirta* f. *caerulea* Moldenke
- Hernandez M. & Hernandez R. 5197 -- *Vitex gaumeri* Greenm.
- Barkley & Hernandez M. 40271 -- *Asclepias curassavica* L.
- Barkley 40267 -- *Verbena carolina* L.
- Hernandez R. & Hernandez M. 5216 -- *Stachytarpheta frantzii* Polak.
- Barkley & Velez 40291 -- *Bouchea prismatica* (L.) Kuntze
- Barkley & Barkley 40156 -- *Petrea volubilis* var. *pubescens* Moldenke
- Barkley & Smith 40861 -- *Lantana trifolia* L.
- Barkley & Ramirez B. 40504 -- *Lantana velutina* Mart. & Gal.
- Barkley & Ramirez B. 40512 -- *Phyla scaberrima* (A. L. Juss.) Moldenke
- 40527 -- *Phyla nodiflora* (L.) Greene
- Barkley & Hernandez M. 40434 -- *Lantana trifolia* L.
- 40452 -- *Phyla nodiflora* (L.) Greene var. *replens* (HBK.) Mold
- Barkley & Nelson 40621 -- *Tonina fluviatilis* Aubl.
- Hernandez M. & Barkley 40495 -- *Stachytarpheta jamaicensis* (L.) Vahl
- 40479 -- *Lippia alba* (Mill.) N. E. Br.
- 40496 -- *Phyla nodiflora* (L.) Greene
- Barkley & Barkley 40349 -- *Verbena litoralis* H.B.K.
- Barkley & Hernandez R. -- *Lantana velutina* f. *violacea* Moldenke
- Barkley 40585 -- *Eriocaulon ehrenbergianum* Klotzsch

With all best wishes from Alma and myself to
you both

as ever

Howard

MOISTEN

P.S. Chang

Dr. H. N. Moldenke

303 Parkside Road

Plainfield, N. J. 07060

PLAINFIELD
18 AUG 1970
PM

13 AIR MAIL

BREAK THE

5 O'CLOCK MAIL

U.S.A.

REASON CHECKED

Unclaimed

Addressed

number

Dr. Fred A. Baskin

No such office in this envelope

to United States Embassy

Tegucigalpa

HONDURAS

02/15

U.S. A.

AÉROGRAMME • PAR AVION



40527 to P.N. ver reptans (H.B.K.) Moldenke

FIRST FOLD

SECOND FOLD

Acad. Nat. Sci., 1900 Parkway, Phila. 19103

11 Dec. 1971

Dear Fred:

Your waterbloom from a soaking vat for flowerpots,
(no. 41701) is STICHOCOCCUS SUBTILIS (Kütz.) Kierck.

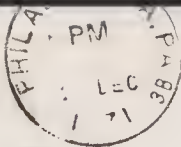
Thanks for it and have a good holiday coming up.

With my best,

As ever,

Francis (Drouet)

determinations



Paul Revere

Patriot



U.S. Postage 6¢

Dr. Fred A. Barkley
Dept. of Biology
Northeastern University
Boston, Massachusetts, 02115